

SHEET INDEX NOT TO SCALE

**SOUNDING COLOR LEGEND**

<span style="background-color: red; width: 20px; height: 10px; display: inline-block;"></span>	DEPTHS 0.1' OR MORE ABOVE PROJECT DEPTH
<span style="background-color: green; width: 20px; height: 10px; display: inline-block;"></span>	DEPTHS AT OR BELOW PROJECT DEPTH
XX.X	PROJECT DEPTH

**LEGEND OF SYMBOLS**

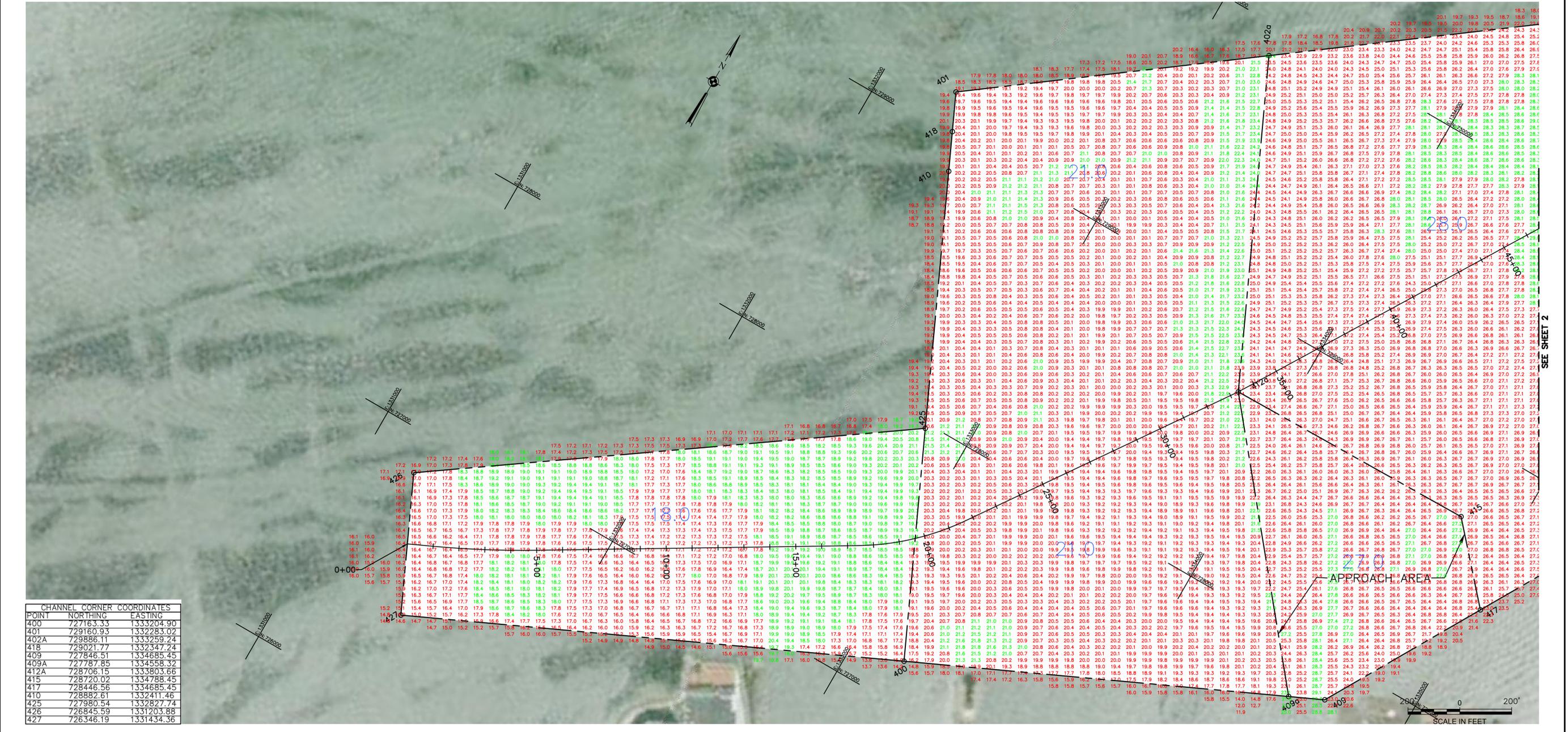
17+00 (NEW), 17+00 (OLD)	CHANNEL STATIONING
o 417	CHANNEL CORNER
o H.L.F.	HARBOR LINE CORNER
---	FEDERAL CHANNEL
---	HARBOR LINE
---	SUBMARINE CABLE
o	CAN BUOY
o	NUN BUOY
o	LIGHTED BUOY
o	FIXED LIGHT
o	LIGHT HOUSE
W	LIGHT COLOR WHITE
R	LIGHT COLOR RED
G	LIGHT COLOR GREEN
FL	FLASHING LIGHT
F	FIXED LIGHT
Oc	OCULTING LIGHT
Iso	EQUAL INTERVAL
AL	ALTERNATING
Q	QUICK (FLASHING)
S	LIGHT CYCLE SECONDS

**SITE SPECIFIC NOTES:**

- PROJECT DEPTHS AND SOUNDINGS ARE REFERRED TO LOW WATER DATUM OF 569.2 FEET IGLD 1985.
- HORIZONTAL CONTROL IS REFERRED TO NORTH AMERICAN DATUM 1983 (2011 ADJUSTMENT) PENNSYLVANIA STATE PLANE COORDINATE SYSTEM-NORTH ZONE.
- PROJECT DEPTH IS AS NOTED BELOW LOW WATER DATUM.
- SOUNDINGS SHOWN REFERRED TO THE SHOALEST SOUNDING SORTED FROM FULL MULTIBEAM COVERAGE USING A 60'X25' HYPACK MATRIX.
- SOUNDINGS WERE TAKEN BY THE BUFFALO DISTRICT ARMY CORPS OF ENGINEERS BY D. BANNING AND PARTY ON MAY 04, 2021 THROUGH JULY 22, 2021 USING: GPS POSITIONING: GPS BASE STATION W/RTK TIDES SONAR HEAD: 200 KHZ, R2 SONIC 2024 MULTIBEAM HEAVE PITCH AND ROLL; APPLINAX POS-MV VER. 5 VELOCITY PROFILER; SONTEK CASTAWAY HYPACK SURVEY SOFTWARE SURVEY LAUNCH "WITMER"
- THE SOUNDING INFORMATION DEPICTED ON THE MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATE INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITION AT THAT TIME.
- THIS SURVEY WAS PREPARED IN ACCORDANCE WITH THE STANDARDS OUTLINED IN CORPS OF ENGINEERS HYDROGRAPHIC SURVEY MANUAL EM 1110-2-1003.



VICINITY MAP NOT TO SCALE



Drawn by: KPL  
 Checked by: ACK  
 Reviewed by: Roman H. Fieger III, PLS  
 Chief, Survey Section  
 Approved by: Adam W. Haman  
 Chief, NY/PA Navigation and Maintenance Section

Date: July 29, 2021  
 Original sheet size = ANSI D

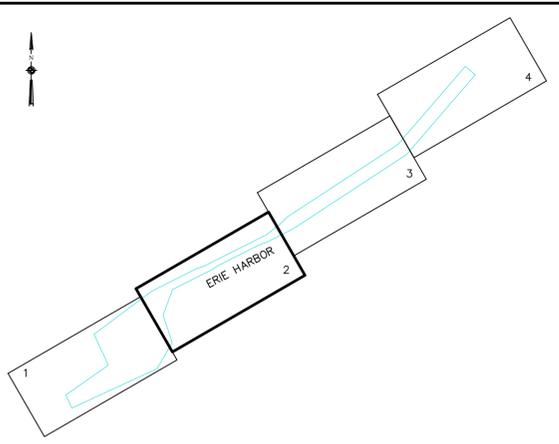
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U.S. ARMY ENGINEER DISTRICT  
 CORPS OF ENGINEERS  
 BUFFALO, NEW YORK 14207-3199

ERIE HARBOR  
 ERIE, PA  
 PROJECT CONDITIONS SOUNDINGS 2021  
 SCALE: 1"=200'

Sheet reference number  
**VH-101**  
 Sheet 1 of 4



SOUNDING COLOR LEGEND

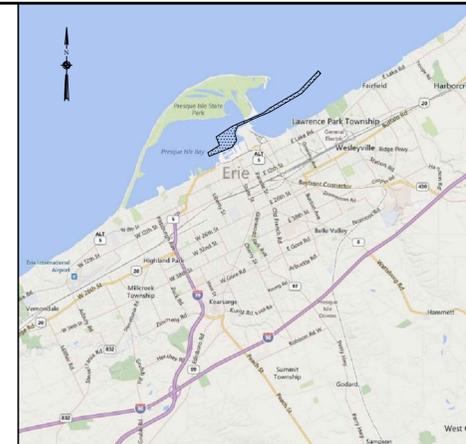
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LEGEND OF SYMBOLS

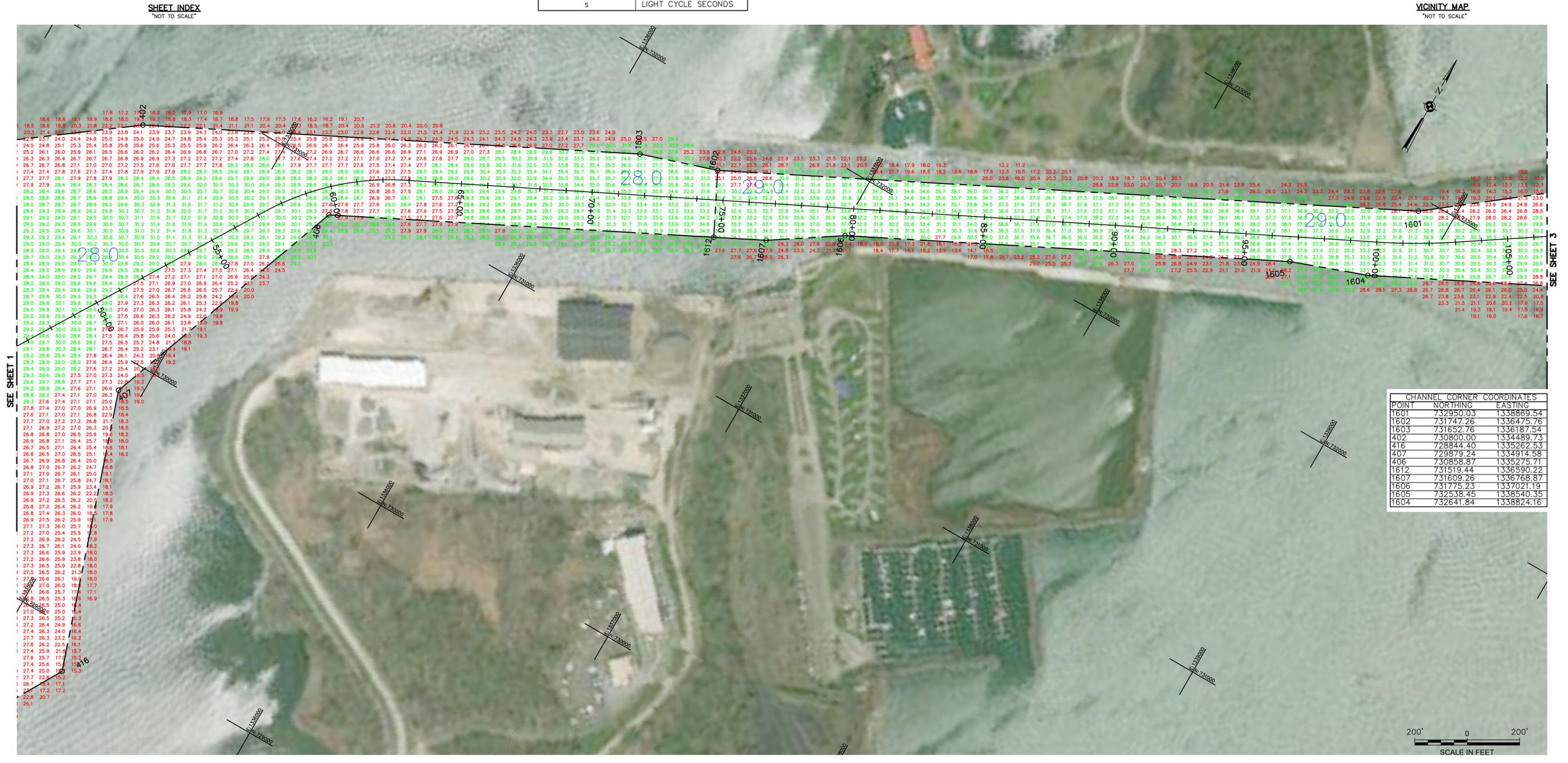
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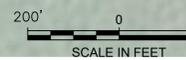


VICINITY MAP "NOT TO SCALE"



CHANNEL CORNER COORDINATES

POINT	NORTHING	EASTING
1601	732950.03	1338869.54
1602	731747.26	1336475.76
1603	731652.76	1336187.54
402	730800.00	1334489.73
416	728844.40	1335262.53
407	729879.24	1334914.58
406	730858.87	1335275.71
1612	731519.44	1336590.22
1607	731609.26	1336768.87
1606	731775.23	1337021.19
1605	732536.45	1338540.35
1604	732641.84	1338824.16



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 Chief, NY/PA Navigation and Maintenance Section

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PROJECT CONDITIONS SOUNDINGS 2021  
 SCALE: 1"=200'

Sheet reference number  
**VH-102**  
 Sheet 2 of 4



